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HOGS AND PIGS

Released: March 21, 1978
1.9
3:00 P.M. ET
Ec742Pi



Crop
Reporting
Board
Economics, Statistics, &
Cooperatives Service

U.S. Department
of Agriculture
Washington, D.C.
20250

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MARCH 1 INVENTORY

Inventory of hogs and pigs on March 1, 1978 in the 14 States conducting quarterly hog surveys was estimated at 44.7 million head, up 1 percent from a year earlier, according to the Crop Reporting Board.

- Number kept for breeding at 6.9 million, was down 1 percent from 1977, but 4 percent above 1976.
- Number for market at 37.8 million was 2 percent above 1977 and 11 percent above 1976. The prolonged period of cold winter weather slowed weight gains and the movement of hogs and pigs to market in the major mid-western States.

The 14 Quarterly States account for about 85 percent of the U.S. hog and pig inventory.

PIG CROP (DECEMBER 1977-FEBRUARY 1978)

The December 1977-February 1978 pig crop in the 14 States totaled 15.6 million, virtually the same as the previous year, but 6 percent above two years ago. There were 2.29 million sows farrowed in these States, down 1 percent from the same period of 1976-77, but up 11 percent from the 1975-76 period. Actual farrowings for this period were substantially lower than intentions. Winter weather and disease were major adverse influences.

Litter size averaged 6.84 pigs for the December 1977-February 1978 period compared with 6.76 a year earlier and 7.16 two years ago. The low litter rate resulted from deaths of young pigs because of the prolonged cold weather and disease problems.

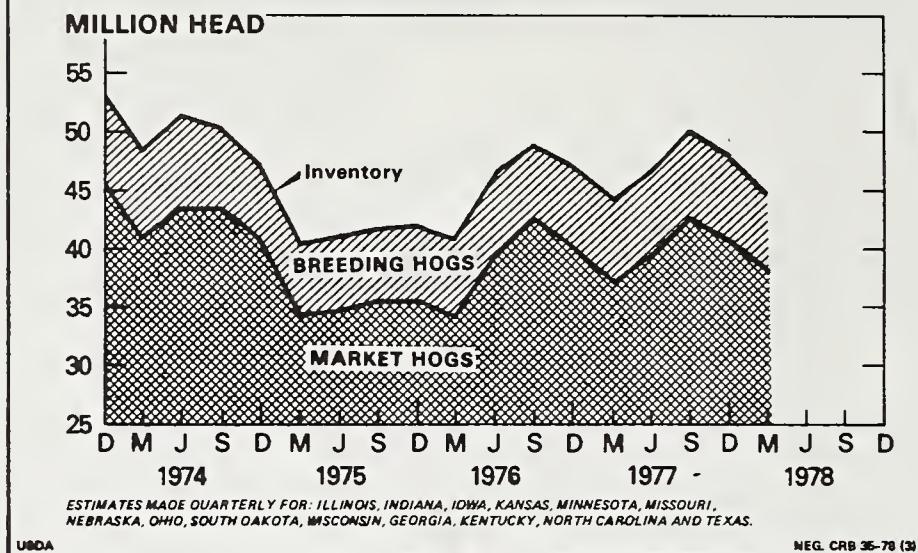
FARROWING INTENTIONS

Producers in the 14 Quarterly States intend to have 2.9 million sows farrow in the March-May 1978 period, 1 percent more than both 1976 and 1977.

Farrowing intentions reported for the June-August 1978 period are 2.68 million sows, 2 percent less than 1977 but 6 percent more than 1976.

Estimates of inventory numbers and pig crop for the 14 Quarterly States as published December 22, 1977 have been revised. The revisions are included in this report.

HOG AND PIG INVENTORY
14 MAJOR PRODUCING STATES



HOG AND PIG INVENTORY

14 MAJOR PRODUCING STATES

DATE OF SURVEY	MARKET	TOTAL 1/	DATE OF SURVEY	MARKET	TOTAL 1/
MILLIONS					
DEC 1973	45.4	52.8	MAR 1976	34.1	40.8
MAR 1974	40.9	48.5	JUN 1976	39.2	46.2
JUN 1974	43.5	51.1	SEP 1976	42.1	48.9
SEP 1974	43.4	50.2	DEC 1976	40.3	47.1
DEC 1974	40.9	47.2	MAR 1977	37.1	44.1
MAR 1975	34.3	40.3	JUN 1977	39.3	46.6
JUN 1975	34.8	41.0	SEP 1977	42.7	50.0
SEP 1975	35.5	41.5	DEC 1977	41.0	48.4
DEC 1975	35.5	41.9	MAR 1978	37.8	44.7

1/ BREEDING TOTAL IS DIFFERENCE BETWEEN MARKET HOGS AND TOTAL HOGS.

RELIABILITY AND ESTIMATING PROCEDURES

PRIMARY DATA USED IN SETTING THESE HOG ESTIMATES WERE OBTAINED FROM A MULTIPLE FRAME PROBABILITY SURVEY. INFORMATION WAS COLLECTED BY MAIL, TELEPHONE AND PERSONAL INTERVIEWS. SINCE ALL OPERATIONS WITH HOGS WERE NOT INCLUDED IN THE SAMPLE, SURVEY ESTIMATES ARE SUBJECT TO SAMPLING VARIABILITY. THIS VARIABILITY, AS MEASURED BY THE RELATIVE STANDARD ERROR, IS ABOUT TWO PERCENT AT THE 14 QUARTERLY STATE LEVEL FOR HOG INVENTORY. THIS MEANS THAT CHANCES ARE APPROXIMATELY 95 OUT OF 100 THAT A SURVEY ESTIMATE WILL BE WITHIN FOUR PERCENT OF THE COMPLETE COVERAGE VALUE IF THE SAME PROCEDURES WERE USED TO SURVEY ALL PRODUCERS. SURVEY ESTIMATES ARE ALSO SUBJECT TO NON-SAMPLING ERRORS SUCH AS OMISSIONS, DUPLICATIONS, RECORDING AND PROCESSING THE DATA AND MISTAKES IN REPORTING. THESE ERRORS CANNOT BE MEASURED DIRECTLY, BUT THEY ARE MINIMIZED THROUGH RIGID QUALITY CONTROLS ON THE DATA COLLECTION PROCESS AND A CAREFUL REVIEW OF ALL REPORTED DATA FOR CONSISTENCY AND REASONABLENESS.

IN SETTING THE INVENTORY ESTIMATES, THE CROP REPORTING BOARD CONSTRUCTED A 14 STATE QUARTERLY BALANCE SHEET USING ESTIMATES ON BIRTHS, DEATHS AND CHECK DATA ON SLAUGHTER, IMPORTS AND EXPORTS. THIS BALANCE SHEET PROVIDED AN ADDITIONAL CHECK ON SURVEY INVENTORY ESTIMATES.

HOGS AND PIGS: INVENTORY NUMBER, SOWS FARROWING AND PIG CROP,
1976-1978, 14 STATES 1/

ITEM	1976	1977	1978	1978 AS % OF	
				1976	1977
1000 HEAD					
PERCENT					
INVENTORY NUMBER-MARCH 1					
ALL HOGS AND PIGS	40785	44100	44680	110	101
KEPT FOR BREEDING	6694	7016	6930	104	99
MARKET	34091	37084	37750	111	102
MARKET HOGS AND PIGS					
BY WEIGHT GROUPS:					
UNDER 60 POUNDS	13617	14225	14569	107	102
60-119 POUNDS	7748	8601	8975	116	104
120-179 POUNDS	7302	8401	8341	114	99
180-219 POUNDS	4569	5007	5023	110	100
220 POUNDS AND OVER	855	850	842	98	99
SOWS FARROWING:					
DECEMBER 2/-FEBRUARY	2052	2304	2285	111	99
MARCH-MAY	2907	2893	3/ 2935	101	101
DECEMBER 2/-MAY	4959	5197	4/ 5220	105	100
JUNE-AUGUST	2513	2716	3/ 2675	106	98
SEPTEMBER-NOVEMBER	2524	2593			
JUNE-NOVEMBER	5037	5309			
PIG CROP:					
DECEMBER 2/-FEBRUARY	14696	15586	15626	106	100
MARCH-MAY	21525	21386			
DECEMBER 2/-MAY	36221	36972			
JUNE-AUGUST	18389	19625			
SEPTEMBER-NOVEMBER	17970	18620			
JUNE-NOVEMBER	36359	38245			
PIGS PER LITTER:		NUMBER			
DECEMBER 2/-FEBRUARY	7.16	6.76	6.84	96	101
MARCH-MAY	7.40	7.39			
DECEMBER 2/-MAY	7.30	7.11			
JUNE-AUGUST	7.32	7.23			
SEPTEMBER-NOVEMBER	7.12	7.18			
JUNE-NOVEMBER	7.22	7.20			

1/ GEORGIA, ILLINOIS, INDIANA, IOWA, KANSAS, KENTUCKY, MINNESOTA, MISSOURI
NEBRASKA, NORTH CAROLINA, OHIO, SOUTH DAKOTA, TEXAS, WISCONSIN

2/ DECEMBER PRECEDING YEAR.

3/ INTENTIONS.

4/ INTENTIONS FOR MARCH-MAY.

HOGS AND PIGS: INVENTORY NUMBERS, BREEDING, MARKET AND TOTAL,
MARCH 1, 1977-78, 14 STATES

STATE	BREEDING			MARKET			TOTAL		
	1977	1978	1977	1978	1977	1978	1977	1978	1978
	NUMBER:	AS % OF:	1978						
	1000 HEAD	PERCENT							
GA	248	250	101	1302	1300	100	1550	1550	100
ILL	876	868	99	4774	4732	99	5650	5600	99
IND	570	559	98	3230	3241	100	3800	3800	100
IOWA	2106	2054	98	11394	11546	101	13500	13600	101
KANS	327	266	81	1753	1634	93	2080	1900	91
KY	173	179	103	847	841	99	1020	1020	100
MINN	544	581	107	2656	3119	117	3200	3700	116
MO	602	626	104	2858	2874	101	3460	3500	101
NEBR	406	419	103	2494	2531	101	2900	2950	102
N C	288	310	108	1512	1690	112	1800	2000	111
OHIO	262	237	90	1428	1363	95	1690	1600	95
S DAK	270	220	81	1230	1200	98	1500	1420	95
TEX	137	120	88	713	680	95	850	800	94
WIS	207	241	116	893	999	112	1100	1240	113
TOTAL									
14 STS.:	7016	6930	99	37084	37750	102	44100	44680	101

MARKET HOGS AND PIGS: INVENTORY NUMBER BY WEIGHT GROUPS,
MARCH 1, 1977-78, 14 STATES

STATE	UNDER 60 LBS.			60-119 LBS.			120-179 LBS.			180-219 LBS.			220 LBS. AND OVER		
	1977	1978	1977	1977	1978	1977	1977	1978	1977	1978	1977	1978	1977	1978	
				1000 HEAD											
GA	586	546	350	390	241	238	95	103	30	23					
ILL	1671	1821	1184	1136	1112	1065	678	592	129	118					
IND	1224	1332	701	684	743	722	507	454	55	49					
IOWA	4125	4157	2449	2702	2917	2771	1675	1674	228	242					
KANS	692	598	407	405	365	389	245	203	44	39					
KY	339	339	225	213	148	156	110	113	25	20					
MINN	1156	1323	584	692	518	639	345	412	53	53					
MO	1200	1116	700	704	572	592	286	359	100	103					
NEBR	888	959	586	628	616	567	357	332	47	45					
N C	612	693	405	414	304	338	157	211	34	34					
OHIO	536	491	378	327	300	293	183	211	31	41					
S DAK	516	497	283	287	240	259	166	135	25	22					
TEX	303	285	166	160	137	130	82	85	25	20					
WIS	377	412	183	233	188	182	121	139	24	33					
TOTAL															
14 STS.:	14225	14569	8601	8975	8401	8341	5007	5023	850	842					

HOGS AND PIGS: INVENTORY NUMBERS, BREEDING, MARKET AND TOTAL,
DECEMBER 1, 1976-77, 14 STATES

STATE	BREEDING			MARKET			TOTAL		
	1976	1977	1976	1977	1976	1977	1976	1977	1976
	NUMBER	AS % OF 1976	NUMBER						
	1000 HEAD	PERCENT							
GA	259	275	106	1341	1445	108	1600	1720	108
ILL	858	884	103	5542	5216	94	6400	6100	95
IND	566	610	108	3534	3490	99	4100	4100	100
IOWA	2016	2161	107	12184	12339	101	14200	14500	102
KANS	241	280	116	1609	1720	107	1850	2000	108
KY	173	184	106	907	956	105	1080	1140	106
MINN	558	608	109	3042	3392	112	3600	4000	111
MO	585	660	113	3165	3040	96	3750	3700	99
NEBR	443	470	106	2657	2730	103	3100	3200	103
N C	281	340	121	1659	1960	118	1940	2300	119
OHIO	260	243	93	1640	1507	92	1900	1750	92
S DAK	225	237	105	1275	1343	105	1500	1580	105
TEX	119	128	108	731	762	104	850	890	105
WIS	204	255	125	1046	1145	109	1250	1400	112
TOTAL									
14 STS.	6788	7335	108	40332	41045	102	47120	48380	103

MARKET HOGS AND PIGS: INVENTORY NUMBER BY WEIGHT GROUPS,
DECEMBER 1, 1976-77, 14 STATES

STATE	UNDER	60-119	120-179	180-219	220 LBS.
	60 LBS.	LBS.	LBS.	LBS.	AND OVER
	1976	1977	1976	1977	1976
1000 HEAD					
GA	555	624	393	368	253
ILL	2051	2035	1524	1278	1108
IND	1325	1305	1043	998	707
IOWA	4836	4936	3180	3369	2303
KANS	644	670	386	422	290
KY	385	411	199	210	170
MINN	1354	1462	760	875	530
MO	1348	1353	744	668	598
NEBR	1050	1125	677	669	518
N C	647	784	431	535	320
OHIO	607	577	459	398	349
S DAK	586	604	289	322	220
TEX	263	282	212	219	151
WIS	467	581	279	251	165
TOTAL					
14 STS.	16118	16749	10576	10582	7682
					7796
					4616
					4769
					1340
					1149

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,
SEPTEMBER-NOVEMBER 1976-77, 14 STATES

STATE	SOWS FARROWING			PIG CROP 1/				
	1976	PIGS		1976	1977			
		1977	PER LITTER		1976	AS % OF NUMBER		
1976	1976	AS % OF 1976	1976	1977	1976	AS % OF 1976		
		1000 HEAD	PERCENT	NUMBER	1000 HEAD	PERCENT		
GA	76	84	111	6.65	6.85	505	575	114
ILL	360	340	94	7.00	7.10	2520	2414	96
IND	195	190	97	7.30	7.10	1424	1349	95
IOWA	715	720	101	7.00	7.20	5005	5184	104
KANS	99	107	108	7.15	7.20	708	770	109
KY	57	67	118	7.25	6.90	413	462	112
MINN	220	245	111	7.25	7.20	1595	1764	111
MO	225	225	100	7.25	7.20	1631	1620	99
NEBR	180	190	106	7.18	7.20	1292	1368	106
N C	86	100	116	7.10	7.10	611	710	116
OHIO	94	92	98	7.25	7.40	682	681	100
S DAK	95	100	105	7.20	7.20	684	720	105
TEX	37	40	108	7.08	7.30	262	292	111
WIS	85	93	109	7.50	7.65	638	711	111
TOTAL								
14 STS.:	2524	2593	103	7.12	7.18	17970	18620	104

1/ NUMBER OF PIGS BORN SEPTEMBER THROUGH NOVEMBER,
THAT WERE ON HAND DECEMBER 1, OR HAD BEEN SOLD.

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,
DECEMBER 1/-FEBRUARY 1977-78, 14 STATES

STATE	SOWS FARROWING			PIG CROP 2/				
	1977	PIGS		1977	1978			
		1978	PER LITTER		1977	AS % OF NUMBER		
1977	1977	AS % OF 1977	1977	1978	1977	AS % OF 1977		
		1000 HEAD	PERCENT	NUMBER	1000 HEAD	PERCENT		
GA	87	85	98	6.75	6.52	587	554	94
ILL	291	300	103	6.50	6.60	1892	1980	105
IND	199	200	101	6.30	6.70	1254	1340	107
IOWA	620	600	97	6.95	6.95	4309	4170	97
KANS	107	100	93	7.30	6.65	781	665	85
KY	60	61	102	5.70	5.60	342	342	100
MINN	200	215	108	7.00	7.30	1400	1570	112
MO	205	190	93	6.54	6.67	1340	1267	95
NEBR	140	145	104	7.20	7.20	1008	1044	104
N C	110	115	105	6.80	7.00	748	805	108
OHIO	98	80	82	6.40	6.34	627	507	81
S DAK	72	72	100	7.19	7.00	518	504	97
TEX	50	47	94	6.30	6.38	315	300	95
WIS	65	75	115	7.15	7.70	465	578	124
TOTAL								
14 STS.:	2304	2285	99	6.76	6.84	15586	15626	100

1/ DECEMBER PRECEDING YEAR.

2/ NUMBER OF PIGS BORN DECEMBER THROUGH FEBRUARY,
THAT WERE ON HAND MARCH 1, OR HAD BEEN SOLD.

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,
MARCH-MAY 1976-78, 14 STATES

STATE	SOWS FARROWING			PIGS			PIG CROP 1/		
	1976 : 1977			PER LITTER			1977		
	1976	1977	AS % OF NUMBER : 1977	1976	1977	AS % OF NUMBER : 1976	1976	1977	AS % OF NUMBER : 1976
GA	80	78	85	109	7.00	7.05	560	550	98
ILL	420	384	390	102	7.20	7.10	3024	2726	90
IND	230	201	200	100	7.40	7.25	1702	1457	86
IOWA	880	910	860	95	7.40	7.40	6512	6734	103
KANS	102	115	105	91	7.25	7.60	740	874	118
KY	62	67	75	112	7.25	7.10	450	476	106
MINN	195	220	250	114	7.70	7.75	1502	1705	114
MO	232	252	275	109	7.50	7.55	1740	1903	109
NEBR	205	200	210	105	7.55	7.53	1548	1506	97
N C	116	108	120	111	7.50	7.35	870	794	91
OHIO	110	90	90	100	7.60	7.20	836	648	78
S DAK	130	118	115	97	7.30	7.55	949	891	94
TEX	45	48	48	100	7.60	6.90	342	331	97
WIS	100	102	112	110	7.50	7.75	750	791	105
TOTAL									
14 STS.	2907	2893	2935	101	7.40	7.39	21525	21386	99

1/ NUMBER OF PIGS BORN MARCH THROUGH MAY,
THAT WERE ON HAND JUNE 1, OR HAD BEEN SOLD.

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,
JUNE-AUGUST 1976-78, 14 STATES

STATE	SOWS FARROWING			PIGS			PIG CROP 1/		
	1976 : 1977			PER LITTER			1977		
	1976	1977	AS % OF NUMBER : 1977	1976	1977	AS % OF NUMBER : 1976	1976	1977	AS % OF NUMBER : 1976
GA	80	86	90	105	7.30	7.20	584	619	106
ILL	355	350	360	103	7.10	6.85	2521	2398	95
IND	230	220	225	102	7.50	7.20	1725	1584	92
IOWA	690	760	690	91	7.35	7.20	5072	5472	108
KANS	88	110	95	86	7.25	7.15	638	787	123
KY	64	75	77	103	7.10	7.30	454	548	121
MINN	195	238	250	105	7.50	7.40	1463	1761	120
MO	205	240	245	102	7.05	7.25	1445	1740	120
NEBR	155	160	175	109	7.25	7.20	1124	1152	102
N C	111	123	123	100	7.50	7.50	833	923	111
OHIO	110	100	98	98	7.35	7.45	809	745	92
S DAK	84	92	75	82	7.35	7.40	617	681	110
TEX	50	54	52	96	7.30	7.10	365	383	105
WIS	96	108	120	111	7.70	7.70	739	832	113
TOTAL									
14 STS.	2513	2716	2675	98	7.32	7.23	18389	19625	107

1/ NUMBER OF PIGS BORN JUNE THROUGH AUGUST,
THAT WERE ON HAND SEPTEMBER 1, OR HAD BEEN SOLD.

2/ INTENTIONS.

HOGS AND PIGS: INVENTORY NUMBER, SOWS FARROWING AND PIG CROP,
1976-1978, 10 STATES 1/

ITEM	1976	1977	1978	1978 AS % OF	
				1976	1977
1000 HEAD					
PERCENT					
INVENTORY NUMBER-MARCH 1					
ALL HOGS AND PIGS	35725	38880	39310	110	101
KEPT FOR BREEDING	5842	6170	6071	104	98
MARKET	29883	32710	33239	111	102
MARKET HOGS AND PIGS					
BY WEIGHT GROUPS:					
UNDER 60 POUNDS	11738	12385	12706	108	103
60-119 POUNDS	6724	7455	7798	116	105
120-179 POUNDS	6532	7571	7479	114	99
180-219 POUNDS	4145	4563	4511	109	99
220 POUNDS AND OVER	744	736	745	100	101
SOWS FARROWING:					
DECEMBER 2/-FEBRUARY	1757	1997	1977	113	99
MARCH-MAY	2604	2592	3/ 2607	100	101
DECEMBER 2/-MAY	4361	4589	4/ 4584	105	100
JUNE-AUGUST	2208	2378	3/ 2333	106	98
SEPTEMBER-NOVEMBER	2268	2302			
JUNE-NOVEMBER	4476	4680			
PIG CROP:					
DECEMBER 2/-FEBRUARY	12639	13594	13625	108	100
MARCH-MAY	19303	19235			
DECEMBER 2/-MAY	31942	32829			
JUNE-AUGUST	16153	17152			
SEPTEMBER-NOVEMBER	16179	16581			
JUNE-NOVEMBER	32332	33733			
PIGS PER LITTER:		NUMBER			
DECEMBER 2/-FEBRUARY	7.19	6.81	6.89	96	101
MARCH-MAY	7.41	7.42			
DECEMBER 2/-MAY	7.32	7.15			
JUNE-AUGUST	7.32	7.21			
SEPTEMBER-NOVEMBER	7.13	7.20			
JUNE-NOVEMBER	7.22	7.21			

1/ ILLINOIS, INDIANA, IOWA, KANSAS, MINNESOTA, MISSOURI, NEBRASKA,
OHIO, SOUTH DAKOTA, WISCONSIN

2/ DECEMBER PRECEDING YEAR.

3/ INTENTIONS.

4/ INTENTIONS FOR MARCH-MAY.